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PATENT APPLICATION

Docket No. 14321.60 PATENTS

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

22581 U.S.PTO  
10/727171  
120303

TRANSMITTAL FOR PATENT APPLICATION

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a United States patent application entitled OPTICAL MULTI/DEMULTIPLEXING CIRCUIT EQUIPPED WITH PHASE GENERATING DEVICE in the name of the following inventors:

Inventor: Takayuki Mizuno  
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Inventor: Tsutomu Kitoh  
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Inventor: Yasuyuki Inoue  
Citizenship: Japanese  
Address: 5-303, NTT Domitory, 861-1  
Ishida, Isehara-shi, Kanagawa, Japan 259-1116

Enclosed are the following:

- ☒ A specification, claims, abstract, and cover page in total comprising One hundred sixty-seven (167) pages.
- ☒ Eighty (80) sheets of drawings.
- ☐ An Assignment conveying the invention to \_\_\_\_\_, including a Form PTO-1595 recordation cover sheet.
- ☐ A Declaration Claiming Small Entity Status pursuant to 37 C.F.R. § 1.9 and § 1.27.
- ☐ The present application claims entitlement to Small Entity Status under 37 CFR §§ 1.9 and 1.27
- ☒ A Certificate of Mailing by "Express Mail" certifying a filing date by use of Express Mail Label No. EV 396 737 963 US.
- ☒ Priority to Japanese Application Serial No. 2002-354640 filed on December 6, 2002 is claimed under 35 U.S.C. § 119.
- ☐ A certified copy of foreign priority application Serial No. \_\_\_\_\_.
- ☐ An Associate Power of Attorney.

The filing fee has been calculated as shown below.

			SMALL ENTITY		LARGE ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$385		\$770
TOT. CLAIMS	56 - 20=	36	X 9=		X 18=	648
IND. CLAIMS	1 - 3=	0	X 43		X 86=	0
MULTIPLE DEPENDENT CLAIM			+140=		+280=	
			<b>TOTAL</b>		<b>TOTAL</b>	1418

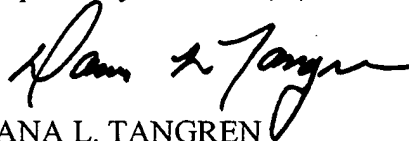
- ☒ Form PTO-2038 submitting Credit Card Payment in the amount of \$1,418.00 is enclosed to cover:
- ☒ The \$1,418.00 government filing fee.
- ☐ The \$40.00 recordation fee of the enclosed assignment.

- ☐ Please debit Deposit Account No. 23-3178 in the amount of \$ \_\_\_\_\_ for the government filing fee.
- ☐ Please debit Deposit Account No. 23-3178 in the amount of \$40.00 for recordation of the enclosed Assignment.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-3178.
- ☒ Any additional filing fees required under 37 C.F.R. § 1.16.
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 23-3178.
- ☒ Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17.
- ☐ The issue fee set forth in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b).
- ☒ A duplicate copy of this letter is enclosed.

Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Dated this 3<sup>rd</sup> day of December 2003.

Respectfully submitted,



DANA L. TANGREN  
Attorney for Applicant  
Registration No. 37,246

**022913**

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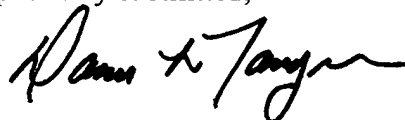
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated below in an envelope addressed to Box: PATENT APPLICATION, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450:

- Patent Application in the names of Takayuki Mizuno, Tsutomu Kitoh, Manabu Oguma, and Yasuyuki Inoue for OPTICAL MULTI/DEMULTIPLEXING CIRCUIT EQUIPPED WITH PHASE GENERATING DEVICE (167 pages)
- Drawings (80 sheets)
- Transmittal Letter (3 pages) (in duplicate)
- Form PTO-2038 submitting Credit Card Payment in the amount of \$1,418
- Postcard

Dated this 3<sup>rd</sup> day of December 2003.

Respectfully submitted,



DANA L. TANGREN  
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